

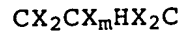
Abstract

The invention relates to poly(ADP-ribose)polymerase (PARP)
5 homologs which have an amino acid sequence which has

a) a functional NAD⁺ binding domain
and

b) no zinc finger sequence motif of the general formula

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in which

m is an integral value from 28 or 30, and the X radicals are,
independently of one another, any amino acid;

and the functional equivalents thereof; nucleic acids coding

15 therefor; antibodies with specificity for the novel protein;

pharmaceutical and gene therapy compositions which comprise

products according to the invention; methods for the analytical

determination of the proteins and nucleic acids according to the

invention; methods for identifying effectors or binding partners

20 of the proteins according to the invention; novel PARP effectors;

and methods for determining the activity of such effectors.

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